AUTODOC CLUB

How to change rear coil springs on **Mercedes W245** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-Class (W169) A 200 CDI (169.308, 169.008), MERCEDES-BENZ A-Class (W169) A 170 (169.032, 169.332), MERCEDES-BENZ A-Class (W169) A 150 (169.031, 169.331), MERCEDES-BENZ A-Class (W169) A 200 (169.033, 169.333), MERCEDES-BENZ A-Class (W169) A 160 CDI (169.006, 169.306), MERCEDES-BENZ A-Class (W169) A 180 CDI (169.007, 169.307), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.008, 169.308), MERCEDES-BENZ B-Class (W245) B 180 CDI (245.207), MERCEDES-BENZ B-Class (W245) B 200 CDI (245.208), MERCEDES-BENZ B-Class (W245) B 170 (245.232), MERCEDES-BENZ B-Class (W245) B 200 TURBO (245.234), MERCEDES-BENZ B-Class (W245) B 150 (245.231), MERCEDES-BENZ A-Class (W169) A 200 TURBO (169.034, 169.334), MERCEDES-BENZ A-Class (W169) A 160 (169.031, 169.331), MERCEDES-BENZ A-Class (W169) A 180 (169.032, 169.332), (+ 2)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – MERCEDES W245. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- Wheel impact socket #H12
- Ratchet wrench
- Torque wrench
- Hydraulic transmission jack
- Wheel chock

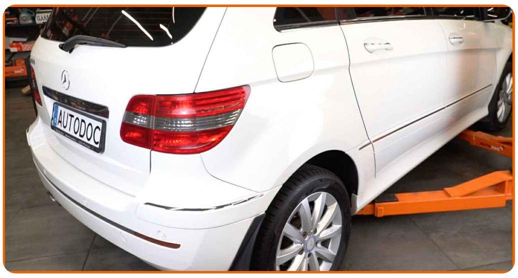
BUY TOOLS

Replacement: coil springs – Mercedes W245. Tip from AUTODOC:

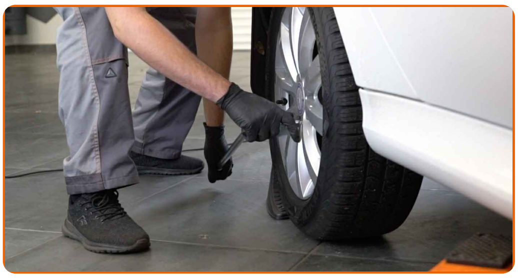
- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: COIL SPRINGS – MERCEDES W245. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #H12.



3 Raise the rear of the car and secure on supports.



4

Unscrew the wheel bolts.



Replacement: coil springs – Mercedes W245. AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5

Remove the wheel.



6

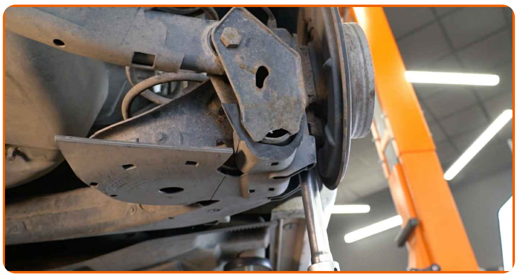
Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



7 Unscrew the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



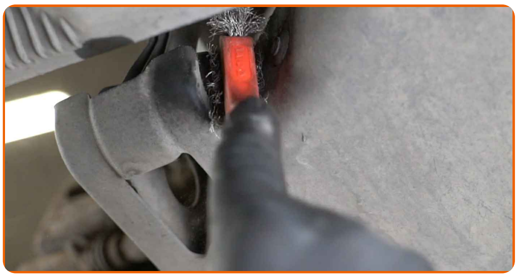
8 Support the arm. Use a hydraulic transmission jack.



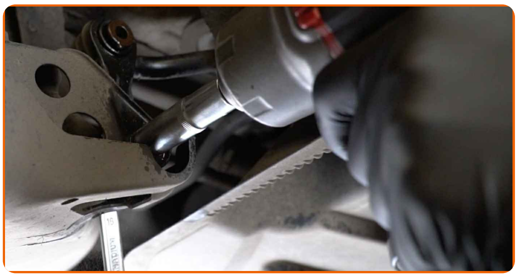
9 Remove the fastening bolt.



10 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



11 Unscrew the fastener connecting the stabilizer bar with the control arm. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



12 Remove the fastening bolt.



13 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



14 Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



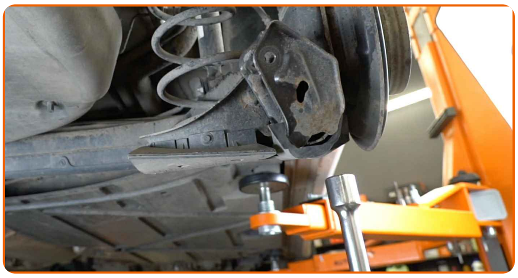
15 Remove the fastening bolt.



16 Detach the suspension arm from the rear knuckle.



17 Remove the support from under the arm.



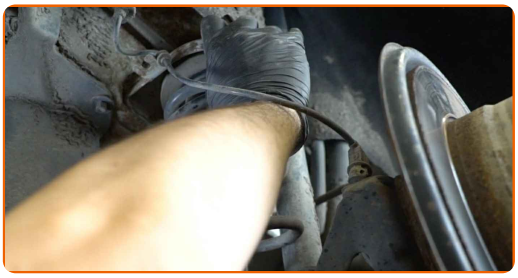
AUTODOC recommends:

- Replacement: coil springs – Mercedes W245. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

18 Support the arm. Use a hydraulic transmission jack.



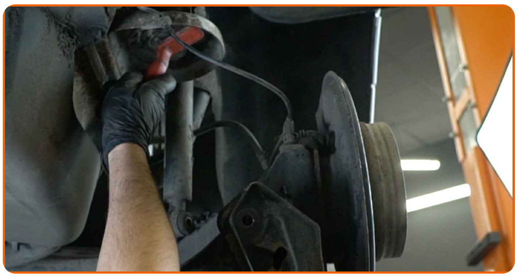
19 Disconnect the ABS sensor wiring.



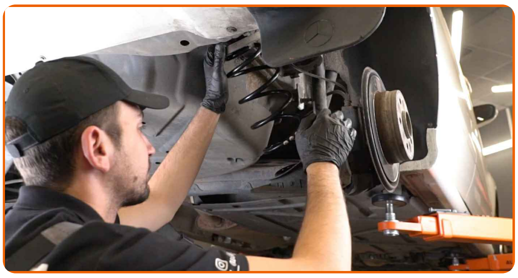
20 Remove the spring.



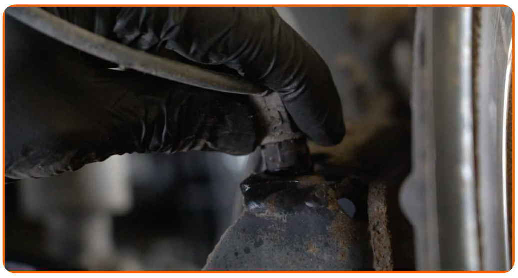
21 Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



22 Install the coil spring together with the rubber mounts into the mounting seats.



23 Connect the ABS sensor wiring.



24 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.

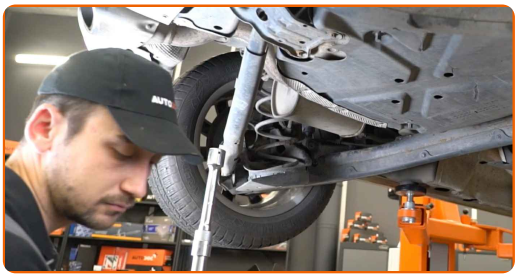


25 Attach the suspension arm to the rear knuckle.

26 Install the fastening bolt.



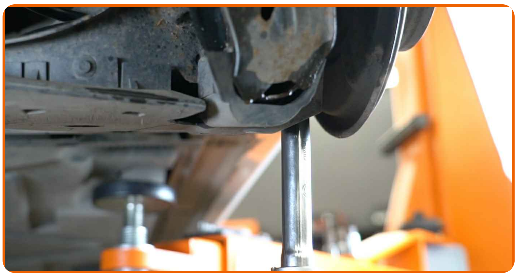
27 Remove the support from under the arm.



AUTODOC recommends:

- Mercedes W245 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

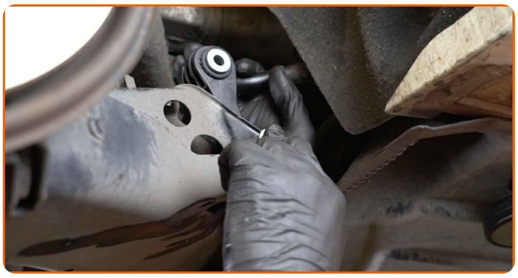
28 Support the arm. Use a hydraulic transmission jack.



29 Tighten the fastener connecting the suspension arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 85 Nm torque.



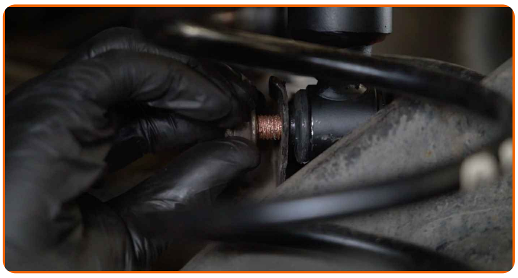
30 Install the fastening bolt.



31 Tighten the fastener connecting the stabilizer bar with the control arm. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.



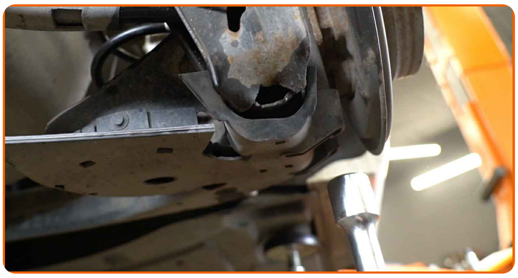
32 Install the fastening bolt.



33 Tighten the lower fastener of the shock absorber. Use a drive socket #16. Use a torque wrench. Tighten it to 70 Nm torque.



34 Remove the support from under the arm.

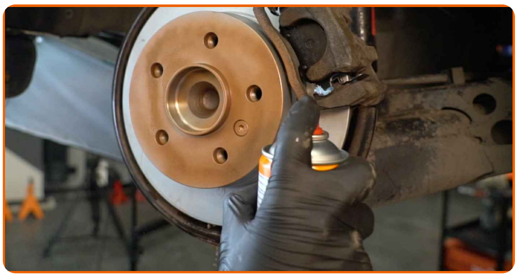


Replacement: coil springs – Mercedes W245. Tip from AUTODOC experts:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

35 Treat the shock absorber fasteners. Use copper grease.

36 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



37 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: coil springs – Mercedes W245. After applying the spray, wait a few minutes.

38 Install the wheel.



Replacement: coil springs – Mercedes W245. AUTODOC experts recommend:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

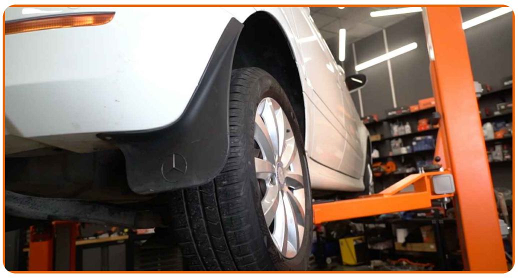
39

Screw in the wheel bolts. Use wheel impact socket #H12.



40

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #H12. Use a torque wrench. Tighten it to 130 Nm torque.



41

Remove the jacks and chocks.

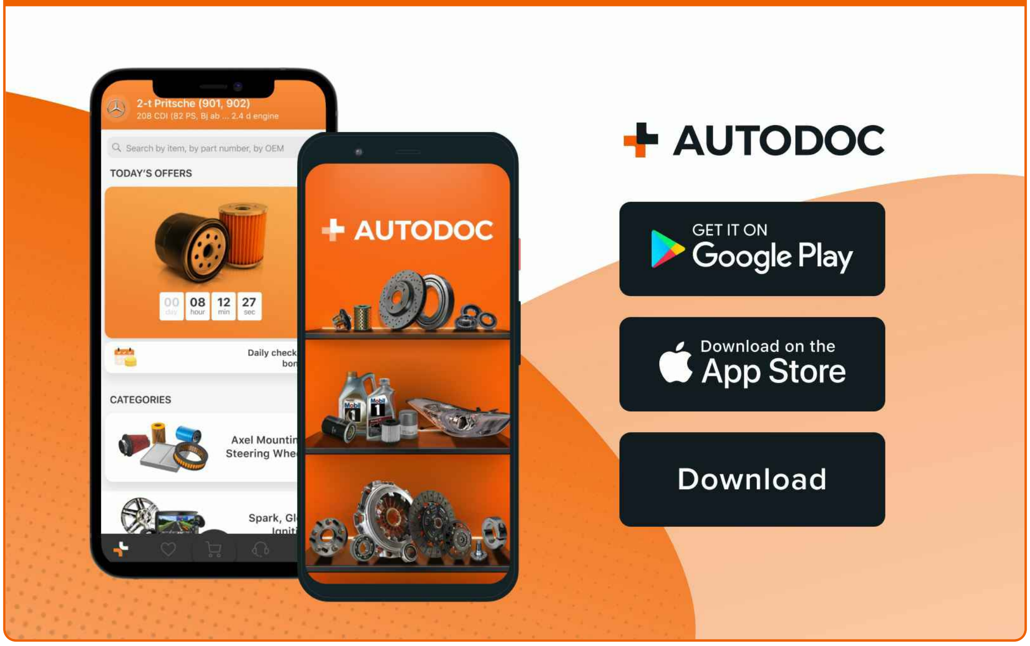


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COIL SPRINGS: A WIDE SELECTION

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